

DETAILED ACTION

Allowable Subject Matter

Claims 1-31 are allowed.

1. The following is a statement of reasons for the indication of allowable subject matter: Concerning claims 1-31, the prior art fails to teach a receiving processor that performs OFDM preamble processing of the received converted digital signal within a first predetermined time period (16 μ s for determining if the input signal corresponds to OFDM), and if the received signal does not correspond to OFDM standards, perform DSSS/CCK preamble processing of the received converted digital signal within a second predetermined time period (40 μ s) to determine if the signal corresponds to the DSSS/CCK standard.

Sinha (US 2004/0152418) is an exemplary reference from a relevant subclass. Sinha is disclosing a receiving processor that performs either OFDM or DSSS/CCK preamble processing of the received converted digital signal in a time period that involves selectively temporarily disabling the OFDM or DSSS/CCK modulator, whichever has not been actively detected.

McFarland (US 2003/0207668 A1) is also an exemplary reference from a relevant subclass. McFarland is disclosing a dual band OFDM or DSSS/CCK radio using a two transceiver design that operates by listening in a primary band of operation and switching under control of a switching device when appropriate.

Therefore, with regard to claims 1-31, the prior art teaches a receiving processor that performs OFDM and DSSS/CCK processing. However, the prior art fails to teach a receiving processor that performs OFDM preamble processing of the received converted digital signal within a first predetermined time period (16 μ s for determining if the input signal corresponds to OFDM), and

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if the received signal does not correspond to OFDM standards, perform DSSS/CCK preamble processing of the received converted digital signal within a second predetermined time period (40 μ s) to determine if the signal corresponds to the DSSS/CCK standard.

Conclusion

2. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shannon Brooks whose telephone number is (571) 270-1115. The examiner can normally be reached on Monday - Friday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Shannon R. Brooks/

Examiner, Art Unit 2617

Shannon R. Brooks

April 2, 2008

/Nick Corsaro/

Supervisory Patent Examiner, Art Unit 4181